## RE-ENGINEERING OF *KLEBSIELLA OXYTOCA* KMS006 TO PRODUCE SUCCINIC ACID IN MINERAL SALTS MEDIUM

Suranaree University of Technology has approved this thesis submitted in partial fulfillment of the requirements for the Degree of Doctor of Philosophy.

Thesis Examining Committee

(Prof. Dr. Alissara Reungsang)

Chairperson

(Assoc Prof Dr Kaemwich Jantam:

Member (Thesis Advisor)

(Prof. Dr. Maobing Tu)

Member

(Prof. Dr. Nuttha Thongchul)

Mora nongoca

Member

(Assoc. Prof. Dr. Apichat Boontawan)

Member

(Assist. Prof. Dr. Nawarat Nantapong)

Member

(Assoc. Prof. Dr. Chatchai Jothityangkoon)

Vice Rector for Academic Affairs

and Quality Assurance

(Prof. Dr. Neung Teaumroong)

Dean of Institute of Agricultural

Technology